Date: Thu, 6 Jan 94 18:13:11 PST

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V94 #7

To: Info-Hams

Info-Hams Digest Thu, 6 Jan 94 Volume 94 : Issue 7

Today's Topics:

ARLX001 Instructor nominations atomic clocks in TV networks (2 msgs) Clubs and Repeaters (3 msgs) Connecting multi-line phone to single-line outlet.

How does it work?
R&R Associates
RAMSEY KITS NOT TOO G
Ramsey kits not too good?
Requesting Yaesu FT-530 info
UK call book - now on disk

US License Examination Opportunities Scheduled 1/06/94 to 4/25/94

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 6 Jan 1994 06:00:33 -0700

From: cs.utexas.edu!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!

alberta!nebulus!ve6mgs!usenet@uunet.uu.net Subject: ARLX001 Instructor nominations

To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX001
ARLX001 Instructor nominations

ZCZC AX33 QST de W1AW Special Bulletin 1 ARLX001 -----

Date: 6 Jan 94 21:40:40 GMT

From: ogicse!flop.ENGR.ORST.EDU!gaia.ucs.orst.edu!umn.edu!csus.edu!netcom.com!

wa2ise@network.ucsd.edu

Subject: atomic clocks in TV networks

To: info-hams@ucsd.edu

In article <FyTPFc3w165w@jackatak.raider.net> neal@jackatak.raider.net (Neal
Griggs) writes:

>

>If you really want to reference to a rubidium or cesium standard why not >try one of the satellite services. Both TNN (The Nashville Network) and >CMT (Country Music Television) use a common rubidium standard for house >reference. Since they have no network to lock or reference to they have >to generate their own.

>

Watch out for the doppler shifts caused by the satellite's movement in its orbit. That orbit isn't exactly a circle, and that makes the bird move up and down and sideways. Long term, it stays put, but short term drifts cause doppler errors in the frequency.

Date: Thu, 6 Jan 1994 05:19:02 GMT

From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!

europa.eng.gtefsd.com!darwin.sura.net!perot.mtsu.edu!raider!theporch!jackatak!

neal@network.ucsd.edu

Subject: atomic clocks in TV networks

To: info-hams@ucsd.edu

wa2ise@netcom.com (Robert Casey) writes:

- > From what I have heard from people in the broadcast TV industry, they no
- > longer use the rubidium(sp) or cisium(sp) atomic clocks for a master system
- > clock. Nowdays, your local TV station passes the network feed thru a
- > frame synchronizer (a box that stores and delays the incomming signal a
- > fraction of a frame, that fraction determined by the phase relationship
- > of the TV station's house sync and the network sync. So, nowdays, the
- > frequency of the local TV station's colorburst is just a crystal in a
- > (probably) Tektronix 1910 generator.

>

> Better use WWV.

If you really want to reference to a rubidium or cesium standard why not try one of the satellite services. Both TNN (The Nashville Network) and CMT (Country Music Television) use a common rubidium standard for house reference. Since they have no network to lock or reference to they have to generate their own.

- -

```
neal@jackatak.raider.net (Neal Griggs)
-----jackatak.raider.net (615) 377-5980 ------
```

Date: 6 Jan 1994 22:20:48 GMT

From: nothing.ucsd.edu!brian@network.ucsd.edu

Subject: Clubs and Repeaters

To: info-hams@ucsd.edu

Repeaters are easy to build. In fact, I've built two already this year; one is 9600 bps digital and the other conventional voice. I think that brings my record up to more than 20 repeaters - slightly more than one for each year I've been licensed.

Really, you buy a surplus Motorola Mitrek for whatever band for like \$150 from C.W.Wolfe, snip out D1, D2, & D403, chop off the receiver coax and add a new connector for it, and the radio part is done. Add a antenna and duplexer, a \$100 controller, bolt the whole thing in a cabinet, add a deep-cycle battery floating on a charger, and you have it!

Takes about a day. The hardest part is waiting for the crystals to arrive.

- Brian

Date: 6 Jan 1994 15:42:18 GMT

From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!

howland.reston.ans.net!usenet.ins.cwru.edu!lerc.nasa.gov!news.larc.nasa.gov!

grissom.larc.nasa.gov!kludge@network.ucsd.edu

Subject: Clubs and Repeaters

To: info-hams@ucsd.edu

>Our local club, of which I am an officer, wants to install, own, and >operate a repeater. The equipment, site, etc. seem to be the easy >part (even the coordination :-). My question is this: What >organizational structure do other clubs use to operate repeaters?

Around here, utter chaos. When the repeater breaks down, everybody blames everyone else until someone gets around to climbing the tower and taking a look at it.

>Not all members of the club are going to participate in the repeater >funding or operation so there is likely to be two levels of dues and >participation. What kind of legal agreements (if any) are required >between the club and the trustee? Are there any legal requirements >for the club regarding non-profit status (it will have assets and >raise funds to support the repeater)? Should the club incorporate?

Repeater funding? Who needs funding... you get a couple old GE progress-line decks at a hamfest and build a controller. If you want to get fancy you can spend a couple hundred bucks and buy a commercial controller with features you'll never need. Ongoing maintenance cost is minimal, although the labor required is significant.

>Being neophites at this, I would like to hear what other >clubs/organizations have done and how they have structured >themselves to deal with this.

The usual strategy is to get someone else to do all the work... he'll find someone else to do it and eventually you find someone who wants it done badly enough to do it.

--scott

- -

"C'est un Nagra. C'est suisse, et tres, tres precis."

Date: 6 Jan 94 23:42:42 GMT

From: mnemosyne.cs.du.edu!nyx10!jmaynard@uunet.uu.net

Subject: Clubs and Repeaters

To: info-hams@ucsd.edu

In article <2gi2s0INN3k6@network.ucsd.edu>,
Brian Kantor <brian@nothing.ucsd.edu> wrote:
>Really, you buy a surplus Motorola Mitrek for whatever band for like
>\$150 from C.W.Wolfe, snip out D1, D2, & D403, chop off the receiver coax
>and add a new connector for it, and the radio part is done. Add a
>antenna and duplexer, a \$100 controller, bolt the whole thing in a
>cabinet, add a deep-cycle battery floating on a charger, and you have it!

Make sure, of course, that when you bolt it in the cabinet, that you don't try to key the transmitter with the audio line...:-)

Brian, if you keep telling the unwashed masses how easy it is, we'll just have more trouble dealing with coordinations! :-)

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"A good flame is fuel to warm the soul." -- Karl Denninger

Date: 6 Jan 94 21:38:28 GMT

From: ogicse!emory!europa.eng.gtefsd.com!fs7.ece.cmu.edu!fs7!jka@network.ucsd.edu

Subject: Connecting multi-line phone to single-line outlet.

To: info-hams@ucsd.edu

This doesn't have much to do with ham radio, but I'd be willing to bet money that someone in this group knows the answer. Actually, it is related to ham radio in that it involves dragging old equipment into the house and fixing it up.

I recently came into possesion of an old multi-line telephone. OK, I dug it out of the trash. It's one of those that has the five clear buttons on the front along with a red "hold" button. It has a big bundle of wire coming out of the back of it. I'd like to connect it to a single-line outlet. How can I do this?

Inside the phone, the big bundle of wires is connected to a terminal strip where the terminals have labels like: 1R, 1T, 1H, L1, LG, 2R, 2T, 2H, L2, LG, etc, five times. My guess is that I should disconnect the big bundle of wires and hook the four wires in my single-line (black, red, green, and yellow) outlet to four of the 1R, 1T, 1H, L1, LG terminals.

Any help would be appreciated.

- Jay (KE3AT)

Date: 6 Jan 94 20:45:58 GMT

From: ogicse!hp-cv!sdd.hp.com!cs.utexas.edu!news.tamu.edu!furuta@network.ucsd.edu

Subject: How does it work? To: info-hams@ucsd.edu

Well, maybe it's relevant to radio and maybe not, but I'm sure that someone here can explain this to me!

I'm sure that many of you are familiar with the anti-theft stickers that have appeared especially on tapes and CDs. About an inch square, the adhesive-backed underside contains a set of concentric traces along the edge surrounded by a different colored border that blobs over one of the corners into the center. Disabling the device seems to involve sticking a patch of some sort on top of it.

So what's the mechanism and how does it work?

--Rick KE3IV furuta@cs.tamu.edu

Date: Thu, 06 Jan 94 04:28:30 GMT

From: netcon!bongo!skyld!jangus@locus.ucla.edu

Subject: R&R Associates To: info-hams@ucsd.edu

I sell stuff at the TRW swapmeet every month. I've been there for about six years now. Everything I sell comes with this simple guarantee: "If it is supposed to work it does, and if it is supposed to be broken, it is...."

A couple of isles over from me is Richard with his house of horrors.

Bags of kits will sit out in the rain, and the following month when the sun is out, the bags are wet inside. Typically the kits are about 90% correct. Most of them are either missing a part or have the wrong one.

A friend of mine bought several baycom packet modem clone kits and most of them didn't work. It took him several hours to finally find the problem. The PC board material was real sensitive to heat. If you got a tad carried away with the old black beauty gutter iron, the modems wouldn't work.

Tiger Tronics sells the Baycomm modems with a manual, connectors, cables and software. Plug and play as they say. Guess the kludge was worth the \$29 saved eh?

I bought one of the \$20 gel-cell charger and had to fix it before it would work. I figured I was paying for the magazine artical reprint and a basic kit as the starting point.

People, you get what you pay for. As a very good friend of mine once said; "Pay shit. Get shit."

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our Internet: jangus@skyld.tele.com | universe run by a single omni-US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a Phone: 1 (310) 324-6080 | badly run corporation."

Date: 6 Jan 1994 15:33:57 GMT

From: koriel!newscast.West.Sun.COM!abyss.West.Sun.COM!sunspot!myers@ames.arpa

Subject: RAMSEY KITS NOT TOO G

To: info-hams@ucsd.edu

In article LEx@tc.fluke.COM, swifty@tc.fluke.COM (Steve Swift) writes:
>

>I purchased a Ramsey Shortwave Receiver kit for my 8 year daughter
>this Christmas. We haven't built it yet, but studying the schematic
>shows several fundamental design errors. Clearly their circuits are
>designed by people who know enough electronics to design "home projects"
>but not enough to come up with a marketable product. I suspect that
>the receiver may work to some degree, but I've already planned a few
>mods. Too bad I didn't take the time to design one myself.

I've noticed this about the Ramsey kits I've seen/built.

The FX series of transceivers are poorly done in some critical ways. In fact, I'm a little surprised at how needlessly bad some of the design appears to be. The front ends on the 2m, 220 and 440 radios have several transistors of pre-amplification with a fairly cheesy bandpass filter, driving a single-chip receiver. This is rather astonishing; the single-chip receiver doesn't have a very strong mixer, has a fair amount of gain, yet, for some strange reason, the Ramsey designer decided to load it right up with a bunch of wideband gain. This kind of design may appear to give good sensitivity, but it is quite naive with respect to RF.

The 10m FM receiver kit does a similar thing; again, a weak mixer (NE602) is preceded by a pre-amplifier with very little bandpass filtering. This thing overloads if you look at it hard.

The front ends of the FX transceivers would really win if Ramsey tossed the multi-stage pre-amplifiers, saved the cost of the transistors, used a better input bandpass filter, a single stage of relatively strong pre-amplification (even a common-gate J310 would be good up to UHF) and used a stronger mixer (i.e., a DBM diode mixer). If they did this, they could probably achieve receiver performance comparable to a modern Motorola mobile. It seems that the Ramsey folks didn't even try to do an analysis of gain distribution.

The VCO in the synthesizer is unshielded in every FX radio, and with the relatively large values of loop division encountered, are begging for microphonics and increased reference sidebands. Not surprisingly, the UHF radio I looked at on a spectrum analyzer was rather lousy. The QST review of the 2m radio mentioned that the radio had illegal levels of spurious output on the transmitter until some modifications were made. How would the average kit builder who has no spectrum analyzer have noticed this?

>The LM358 op-amp with both inputs at Ovolts bias, with an AC signal >coming in was the first clue.

Typical Ramsey. They probably couldn't purloin this part of the circuit from a manufacturer's application note.

Don't get me wrong, I'm not anti-kit; I'm just really concerned that many naive amateurs are buying these cheesy radios and don't have the resources to make them work correctly. I've heard people say things like "Ramsey kits are good 'cause you get to actually engineer them when you build them", but I think this is assuming way too much about the average kit builder. Most people that build a kit have an expectation that the kit will work reasonably when you build it according to the instructions. Ramsey kits do not meet this expectation.

- - -

- * Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
- * (310) 348-6043 | mine and do not necessarily *
- * Dana.Myers@West.Sun.Com | reflect those of my employer *
- \star This Extra supports the abolition of the 13 and 20 WPM tests \star

Date: Thu, 6 Jan 1994 07:30:01 -0600

From: pa.dec.com!SALCIUS2.csg.mot.com!scottm@decwrl.dec.com

Subject: Ramsey kits not too good?

To: info-hams@ucsd.edu

>This is an attitude that will turn hams into appliance operators PDQ.
>Building kits is not supposed to be just entertainment but should also
>teach some electronics. There is no reason why they should work poorly.

Hams are already appliance operators. The question should be is it wrong to be an appliance operator. With todays level of complexity most newly graduated engineers cannot design a radio to compete with an off the shelf model. I would not expect a person who has devoted maybe 4 to 5 weeks of studing basic electronic theory to even come close to this task. However, it is not outside of most hams skill level to put togather boxes into a system that can perform a new task. An example is packet operations. Are the individuals who put togather packet stations and networks just appliance operators? Maybe, but did they meet tentes of ham radio to explore new communications technologies? I beleive they did. As for building kits they give the experience of how to solder and troubleshoot but not much more than that (excluding the fun of doing it yourself). I do believe that it is always the manufacture\"s responsibility to produce quality merchandise and when a problem arises to help the customer. If a company does not do that then they will perish in the market. I know from my experience if one of my products has a defect in it, it is myself who

calls the vendor of the defective part and holds them accountable. In the mean time I will have taken care of my customer so he will remain happy and satisfied. If the vendor of the defective part does not want to stand behind their product they are cut off from suppling us. This is of course what we all expect from a manufacturer. For example if you buy a car and the altenator is defective do you call the altenator suplier or do you go back to the dealer and demand action?

- -

****	*****	*****	*****	*****	*****	****
* _/_/_	_/_/ _/_/_	/_/ _/_	/_/_/	_/_/_/_/	_/_/_/_/	*
* _/	_/	_/	_/	_/	_/	*
* _/_/_/_	_/ _/	_/	_/	_/	_/	*
* _/	′_/	_/ .	_/	_/	_/	*
*_/_/_/	_/_/_/	_/_/_/_	/	_/	_/	*
*****	****	*****	*****	****	**** *******	****

*Scott F. Migaldi, KF5JQ

*email: Scott_Migaldi@csg.mot.com

Date: 6 Jan 94 21:36:29 GMT From: news-mail-gateway@ucsd.edu Subject: Requesting Yaesu FT-530 info

To: info-hams@ucsd.edu

I am looking at dual-band HT's and like the features and feel of the Yaesu FT-530. Could someone send me info and their comments on the 800MHZ receive mods? I have searched the net for this, but can't find it.

Thanks,

Dan Fleek dcfleek@adpc.purdue.edu Purdue University N9PNA

Date: Thu, 6 Jan 1994 11:57:04 GMT

From: agate!howland.reston.ans.net!pipex!Q.icl.co.uk!dsbc!iclbra!prs@ames.arpa

Subject: UK call book - now on disk

To: info-hams@ucsd.edu

Last night (5/1/93) I was given two disks - the contents of which were all the entries from the 1992 UK call book.

I was quite suprised as I thought that SSL were not allowed to release the information other than to organisations such as the RSGB to produce a paper call book.

I have a feeling that it leaked from the RSGB. If it has been leaked then there has been a serious breach of the data protection act and I would like to check this out BEFORE I use the information on the disks.

Anyone else seen or know anything about this ?

73 Peter GOPUB

--... --. (Pub Inspector)
Peter Swynford is available... TEL: +44 344 472625 FAX: +44 344 473300

or at prs@oasis.icl.co.uk ICL: 7263-2625 AX25: GOPUB@GB7BEQ.GBR.EU

Disclaimer: See Paragraph 2.4.a of section 1.a (article 7) (iii) of the Town and Country Planning Act, 1967.

Date: Thu, 6 Jan 1994 08:11:46 MST

From: news.cerf.net!pagesat.net!olivea!sgigate.sgi.com!sgiblab!swrinde!cs.utexas.edu!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!alberta!nebulus!ve6mgs!usenet@network.ucsd.edu

Subject: US License Examination Opportunities Scheduled 1/06/94 to 4/25/94

To: info-hams@ucsd.edu

AMATEUR RADIO EXAMINATION OPPORTUNITIES

Special Note: Amateur Radio licenses usually arrive between 8 and 10 weeks after the test session. The FCC considers their processing time to be 90 days--from the date they receive the application. The FCC usually receives the application one to two weeks after the test session (once the VE Team and the coordinating VEC have completed their processing).

Note: Codeless Technician to Technician $\mbox{w/HF}$ upgraders (who pass a Morse code test) will not receive a new license from the FCC.

The existing Technician license plus the CSCE conveying the Morse code test credit is the only documentation issued for use of the additional HF privileges.

The following test session information is provided by the ARRL/VEC for the upcoming six to eight week period. For further information, please contact the test session CONTACT PERSON at the telephone number provided. If necessary, you may contact the ARRL/VEC at 203-666-1541 x282 for additional information. Electronic mail may be forwarded to the ARRL/VEC via USENET at "bjahnke@arrl.org" or via MCI Mail to MCI ID: 215-5052.

Although the test session information presented here does not indicate whether walk-ins are accepted or not, most test sessions do allow walk-ins. We encourage you, however, to always contact the CONTACT PERSON at the telephone number provided so that the VE Team is aware that you be attending the test session.

STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

EXAM LISTINGS - DEFINITION OF FIELDS

STATE

Test Date, VEC, City,, Contact Phone, Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not find any examinations listed for your area, you may contact

any of the coordinating VECs below.

- A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541 The 1994 test fee is \$5.75.
- X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;
 (d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121
 (or) 907-274-5546
- C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801; 205-536-3904
- N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213; 704-596-2168
- D = Great Lakes ARC VEC Inc., PO Box 273, Glenview, IL 60025; 708-486-8019
- E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.
- G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343; 818-892-2068, 805-822-1473.
- J = Jefferson ARC, PO Box 24368, New Orleans, LA 70184-4368; No phone
- K = Koolau ARC, 45-529 Nakuluai St, Kaneohe, HI 96744; 808-235-4132
- L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039; (d) 301-572-5124, 301-317-7819, (n) 301-588-3924
- M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226; 414-774-6999. Test fee for 1994 is \$5.00.
- H = Mountain ARC, PO Box 10, Burlington, WV 26710; 304-289-3576, 301-724-0674
- P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313
- R = Sandarc-VEC, PO Box 2446, La Mesa, CA 91943-2446; 619-465-3926
- S = Sunnyvale VEC ARC, PO Box 60307, Sunnyvale, CA 94088-0307; 408-255-9000
- T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27265; 919-841-7576

- W = Western Carolinas ARS VEC, 5833 Clinton Hwy Suite 203, Knoxville, TN 37912-2500; 615-688-7771. The 1994 test fee is \$5.75.
- 5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443 The 1994 test fee is \$5.75.

EXAMINATION OPPORTUNITIES OUTSIDE THE UNITED STATES:

01/10/94, A, Australia, ,089-531-305, Maury Hatfield

01/08/94, A, Belgium, , 32-1143-9164, Ronald Torfs

01/08/94, A, Germany, ,49-0-67253462, Stephen Hutchins, KN6G

01/29/94, A, Okinawa, , 011-8-1-6117-33-1728, Alice Kottmyer

01/23/94, A, Papua New Guinea, , , Kyle Harris KE9TZ

01/28/94, A, Saudi Arabia, , 966-3-878-501, David Hart

01/10/94,A,Russia,,095-450-3205,Ed Kristky

US VIRGIN ISLANDS

01/08/94,A,St Croix,,809-778-3156,Frank Jaeger 04/09/94,A,St Croix,,809-778-3156,Frank Jaeger

*E0F

Date: (null)
From: (null)

SB SPCL ARL ARLX001

ARLX001 Instructor nominations

Who's your favorite ham radio educator? If you know of a deserving volunteer instructor, professional teacher who uses Amateur Radio in the classroom, or an instructor who offers ham radio classes at a local college, nominate them for any of the following awards: 1993 ARRL Herb S. Brier Instructor of the Year (volunteer instructor), ARRL Professional Educator of the Year (school teacher) or the ARRL Professional Instructor of the Year (instructor who receives payment for instruction, such as at a college). Time is running out.

Nominations must be received by your Section Manager (page 8, QST) by January 31.

NNNN

Date: 6 Jan 94 09:30:50 GMT

From: ogicse!uwm.edu!vixen.cso.uiuc.edu!howland.reston.ans.net!news.intercon.com!

panix!not-for-mail@network.ucsd.edu

To: info-hams@ucsd.edu

References <1994Jan05.065815.24300@wattres.sj.ca.us>, <1994Jan5.125300.21517@mnemosyne.cs.du.edu>, <2gfgip\$lp9@skates.gsfc.nasa.gov> Subject : Re: Repeater database?

In article <2gfgip\$lp9@skates.gsfc.nasa.gov>,
Richard Mitchell 1026 <mitchell@aol14.wff.nasa.gov> wrote:

>If someone really wanted to steal the repeater (or whatever), why >wouldn't they just go on a foxhunt to find it? I dunno, but >around here the physical locations aren't kept secret. In talking >with other club members, its usually pretty easy to find out where >the repeater is.

>Maybe we just get along better over here...or maybe i'm just niave.

Believe me, this is a *real* problem in the NYC area. We've had several coordinated repeaters in this area physically attacked or stolen, apparently by thoseinterested in putting up systems of their own, or whao have already out up uncoordinated systems.

Hopefully this will not spread outside the more populated metro areas, but I wouldn't count on it.

73, Andy

- -

______ Andrew Funk, KB7UV ______ President, Tri-State Amateur Repeater Council (TSARC) |
| ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |
| Internet: kb7uv@panix.com Packet: kb7uv@kb7uv.#nli.ny.usa |
